ECHO

BEAR CAT®

The Broadest Selection of Chippers and Chipper/Shredders in the Industry

SALES HANDBOOK CE APPROVED 2012

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CONVERSION CHART

Horsepower to cc Conversion Chart

GASOLINE ENGINES					
Engine Manufacturer	**Engine Type**	**cc**	**hp**	**kW**	**Model Number**
Subaru	Horizontal	169	5.7	4.25	SC2170
Briggs & Stratton	Vertical-Intek	190	6**	4.74	WV190, WV190S
Briggs & Stratton	Horizontal	205	5.5**	4.10	SC3206XE, SC2206XE
Subaru	Horizontal	265	9	6.71	SC3265XE
Briggs & Stratton	Horizontal	305	8**	5.97	SC3305XE
Honda	Vertical-GXV	340	8.9	6.64	SG340
Briggs & Stratton	Horizontal-Intek	342	11**	8.20	SC3342XE
Subaru	Horizontal	404	14	10.44	CH4400XE
Subaru	Horizontal/Elec.	653	22	16.41	CH5653XE, DL12653
Subaru	Horizontal/Elec./Fuel Injected	720	28	20.88	CH8720iHXE
Subaru	Horizontal/Elec.	720	25	18.64	DL12720, SC5720BXE
Briggs & Stratton	Horizontal/Elec.-Vanguard	993	35	26.10	CH8993HXE

**Horsepower rating based on Engine Manufacturer at time of manufacture

DIESEL ENGINES					
Engine Manufacturer	**Engine Type**	**Liters**	**hp**	**kW**	**Model Number**
Kubota	1105/Mech.	1.1	28	20.88	CH611DHXE
Kubota	1105/Mech.	1.1	28	20.88	CH911DHXE
Kubota	2203/Mech.	2.2	50	37.28	CH922DHXE

WHO USES WHAT

ECHO Bear Cat has a wide-range of products to get the job done!

Industry	Product	Used for
Ag - Specialty	Chipper/Shredder	Tobacco stalks
		Shred bales for stables
	Wheeled Vacuum	Stable clean up
Cemetery	Chipper/Shredder	Brush and tree pruning
	Wheeled Vacuum	Leaf removal
Farming	Chipper	Shelter belt clean out
		Field obstructions
Golf Course	Chipper	Disposal of broken branches and fallen trees
	Chipper/Shredder	
		Create mulch for landscaping
	Wheeled Vacuum	Grass clipping tidy
Grounds and Maintenance	Chipper/Shredder	Brush/hedge clean up
	Wheeled Vacuum	Parking lots and stadium clean up
	Debris Loader	Collecting grass clippings and leaf removal
Home Owner with Acreage	Chipper/Shredders	Yard maintenance
		Pruning
	Wheeled Vacuum	Leaf removal

Industry	Product	Used for
Landscaper	Chipper	Job site clean up
	Chipper/Shredder	Job site clean up
		Create mulch
	Wheeled Vacuum	Leaf removal
	Debris Loaders	Leaf clean up
Municipalities	Chipper	Christmas tree disposal
		Storm damage
		Palm frawn disposal
	Wheeled Vacuum	City park clean up
	Debris Loader	Street clean up
		Leaf pick up
Nurseries	Chipper/Shredders	Tree thinning
		Dead plant recycling/moisture control
Parks and Rec	Chipper/Shredder	Trail maintenance
	Chipper	Property maintenance clean up
	Wheeled Vacuum	Parking lot clean up
Rental	Chipper/Shredders	Composting/home owner clean up
	Wheeled Vacuum	Leaf removal
Tree Service	Chipper	Refuse reduction
		Air quality protection
		Power line clearing
		Easements clearing

FAQ

CHIPPER/SHREDDERS

MODELS: SC2170, SC3206XE, SC3265XE, SC3305XE, SC3342XE, SC5540BXE & SC5720BXE

What are these machines designed for?

The ECHO Bear Cat chipper/shredders are designed to effectively reduce the volume of wood, leaves and other organic material.

When should I chip?

If you don't plan on recycling the material, use the chipper. Also use the chipper if the material is green and stringy.

When should I shred?

If you plan on using the material for compost use the shredder. Shredding is an efficient way to reduce the volume of leaves or prunings that are less than 2cm in diameter.

How long will the chipper blades last?

Depending on the type, age and cleanliness of the wood being chipped, chipper blades will require sharpening after 5-15 hours of use. Dry, dirty wood will dull the blades faster.

How big of a branch will these machines chip?

The ECHO Bear Cat 5cm chipper/shredder will chip a branch or bundle of branches up to 5cm in diameter.
The ECHO Bear Cat 7.6cm chipper/shredder will chip a branch or bundle of branches up to 7.6cm in diameter.
The ECHO Bear Cat 12.7cm chipper/shredder will chip a branch or bundle of branches up to 12.7cm in diameter.

STUMP GRINDER

MODEL: SG340

What is the application of the Stump Grinder?

The ECHO Bear Cat Stump Grinder is designed to be used on small to medium stumps found in places large stump grinders cannot get to.

How do I engage the Stump Grinder?

The ECHO Bear Cat Stump Grinder has a double belt drive from the engine to the cutter head. With engine running, place the cutting teeth carefully over the stump while keeping the bottom bail in the up position. Pull the top bail to the handle and hold it there to activate the left wheel brake.

How difficult is it to perform maintenance on the machine?

ECHO Bear Cat understands that proper maintenance is vital. We have designed the machine for ease of maintenance. The carbide blades must be sharpened regularly. Check for dullness every eight hours of operating time or when it becomes noticeably harder to push the stump grinder into the stumps.

FAQ

CHIPPERS

MODELS: CH4400XE, CH45540XE, CH5653XE, CH5540XE, CH5540HXE, CH611DHXE, CH6730HXE, CH8540XE, CH8993HXE, CH8720iHXE, CH9540HXE, CHF9540HXE, CH911DHXE & CH922DHXE

What are these machines designed for?

The ECHO Bear Cat chipper is designed to effectively reduce the volume of wood, branches and other organic material. The typical application for this product group is anywhere from light commercial to municipalities and/or rental.

When should I rent instead of buying a chipper?

Rent the machine if you have a very limited or unique job.

What types of chippers are available?

ECHO Bear Cat makes chippers with gravity or hydraulic feed, powered by an engine package or a tractor PTO. A hydraulic feed machine has a hydraulic driven feed roller to efficiently feed branches to the chipper disc.

When should I buy a gravity feed machine?

If you have an infrequent need for a chipper and time is not a factor, a gravity feed machine will fit your needs well.

When should I buy a hydraulic feed machine?

If time or efficiency is an issue, a hydraulic feed chipper allows you to be more productive.

How long will the chipper blades last?

Depending on the type of wood, age and cleanliness, chipper blades will work well for between 5 and 15 hours. Dry, dirty wood will dull the blades faster. Hydraulic feed machines will have longer blade life.

How difficult is it to perform maintenance on the machine?

Proper maintenance is vital. Routine maintenance, including chipper blades, will normally take only 10 minutes.

POWER TAKE OFF (PTO) MACHINES

MODELS: CH45540XE, CH5540XE, CH5540HXE, SC5540BXE, CH8540XE, CH9540HXE & CHF9540HXE

When do I buy a chipper powered by a tractor Power Take Off (PTO) vs. an engine-driven unit?

If you own a tractor and you are bringing the material to a collection site, a PTO chipper is a smart economic choice.

When should I rent instead of buying a chipper?

Rent the machine if you have a very limited or unique job.

What are the tractor requirements for these chippers and chipper/shredders?

The ECHO Bear Cat 11.4cm chipper requires a tractor with PTO hp ranging from 15hp to 28hp. The ECHO Bear Cat 12.7cm (5 inch) chippers and chipper/shredders require a tractor with PTO hp ranging from 25hp to 45hp. The ECHO Bear Cat 20.3cm (8 inch) and 22.9cm (9 inch) chippers require a tractor with PTO hp ranging from 35hp to 60hp.

Will the chipper fit my tractor? The ECHO Bear Cat chippers and chipper/shredders are designed to fit all Category 1 three-point hitches. Chipper weight and tractor hp needs to be taken into consideration.

When should I buy a gravity feed machine? If you have an infrequent need for a chipper and time is not a factor, a gravity feed machine will fit your needs well.

FAQ

DEBRIS LOADERS

MODELS: DL8390, DL10570, DL12653 & DL12720

What is the application for the Debris Loader?

The Debris Loader is used for commercial or municipal pickup of leaves, grass or other light debris.

How much reduction of debris will I get?

There is very limited reduction of the material due to the design for compaction vs. reduction. The Debris Loader is designed to effectively load leaves, grass or other light debris from the ground to a vehicle collection bin.

Is there a rental application for this machine?

Yes. Commercial landscapers and yard care people will have a seasonal need for this piece of equipment.

How difficult is it to perform maintenance on the machine?

ECHO Bear Cat understands that proper maintenance is vital. We have designed the machine for ease of maintenance.

WHEELED VACUUMS

MODELS: WV190 & WV190S

Where can I use the Wheeled Vacuum?

The Wheeled Vacuum is designed to be used for residential, commercial or municipal pickup of leaves, grass or other light debris.

How much reduction of debris will I get?

There is not much reduction; however, by passing through a six-bladed fan into the bag some natural breakage occurs allowing the six-bushel bag to be completely filled. Reduction through compaction will happen.

Is it hard to push the Wheeled Vacuum on turf?

The 35.6cm x 5cm rubber tires have ball bearing hubs that allow easy movement.

How many speeds do the Self-Propelled Wheeled Vacuums have and how fast does it go?

There are three separate gears on the transmission of the Self-Propelled Wheeled Vacuum, and the speed range from 1.98 kph to 3.56 kph.

How many height adjustments does the Wheeled Vacuum have?

The Wheeled Vacuum can be adjusted into four different nozzle settings ranging from .64cm - 11.4cm to accommodate all types of terrain.

What do I use the optional 10.1cm hose kit for?

This hose kit is designed to allow vacuuming hard to reach places such as around rocks or bushes in gardens.

How difficult is it to perform maintenance on the machine?

ECHO Bear Cat understands that proper maintenance is vital. We have designed the machine for ease of maintenance.

FAQ

SKID STEER CHIPPERS

MODELS: CH450HXE

What is this machine designed for?

The ECHO Bear Cat chipper is designed to effectively eliminate wood, brush and other organic material while using your skid steer as the power unit.

When should I rent instead of buying a chipper?

Rent the machine if you have a very limited or unique job.

What is the capacity and hydraulic flow requirements of these machines?

The CH450HXE is capable of continuously feeding 11.4cm branches and requires at least 41.6 to 56.8 liters per minute (Lpm) on a low-flow skid steer.

When should I buy a hydraulic feed machine?

If you have a large, consistent job to do, a hydraulic feed machine will provide better performance and greater productivity.

How long will the chipper blades last?

Depending on the type, age and cleanliness of the wood being chipped, chipper blades will require sharpening after 5-15 hours of use. Dry, dirty wood will dull the blades faster.

How difficult is it to perform maintenance on the machine?

Proper maintenance is vital. Routine maintenance, including chipper blades, will normally take only 10 minutes.

PRODUCT NOISE LEVELS

Model	Description	dB (pressure)	dB level
CHIPPER/SHREDDERS			
SC2170	4cm Capacity – 170cc Subaru SP	97	111
SC3206XE	7.6cm Capacity – 205cc Briggs & Stratton OHV	97	111
SC3265XE	7.6cm Capacity – 265cc Subaru EX	97	111
SC3305XE	7.6cm Capacity – 305cc Briggs & Stratton OHV	98	112
SC3342XE	7.6cm Capacity – 342cc Briggs & Stratton OHV	94	114
CHIPPER/SHREDDER/BLOWER			
SC5720BXE	13cm Capacity Chipper/Shredder/Blower 720cc Subaru (Towable)	106	120
STUMPGRINDER			
SG340	Stump Grinder, 340cc Honda	73	87
CHIPPERS			
CH4400XE	11cm 404cc Subaru EX	87	107
CH5653XE	13cm Capacity – 653cc Subaru EH	92	109
CH611DHXE	15cm Capacity – 1.1 Liter Kubota Diesel with Hydralic Feed	94	111
CH6730HXE	15cm Capacity – 730cc Kohler Command Pro with Hydraulic feed	94	117
CH8720iHXE	20cm Capacity – 720cc Subaru – turntable with Hydraulic Feed	96	114
CH8993HXE	20cm Capacity – 993cc Briggs & Stratton Vanguard – Turntable with Hydraulic Feed	96	114
CH911DHXE	23cm Capacity – 1.1 Liter Diesel with Hydraulic Feed	95	112
CH922DHXE	23cm Capacity – 2.2 Liter Kubota with Hydraulic Feed	95	112
PTO CHIPPERS AND CHIPPER/SHREDDERS			
CH45540XE	11cm Capacity – 540 PTO – 15-28 hp Input Range	87*	107
CH5540XE	13cm Capacity – 540 PTO – 25-45 hp Input Range	86*	103
CH5540HXE	13cm Capacity – 540 PTO with Hydraulic Feed – 25-45 hp Input Range	86*	103
SC5540BXE	13cm Capacity – Chipper/Shredder – PTO - 25-45 hp Input Range	99*	113
CH8540XE	20cm Capacity – 540 PTO – 35-60 hp Input Range	95*	112
CH9540HXE	23cm Capacity – 540 PTO rpm with Hydraulic Feed - 35-60 hp Input Range	95*	112
CHF9540HXE	23cm Capacity – 540 PTO with Hydraulic Feed - 35-60 hp Input Range	95*	112
WHEELED VACUUMS			
WV190	190cc Briggs & Stratton OHV	84	98
WV190S	190cc Briggs & Stratton OHV - Self-Propelled	84	98
DEBRIS LOADERS			
DL8390	390cc Honda GX – 20.3cm Intake	116	134
DL10570	570cc Briggs & Stratton Vanguard – 25.4cm Intake	120	138
DL12653	653cc Subaru EH – 30.5cm Intake	97	120
DL12720	720cc Subaru EH – 30.5cm Intake	99	122

*based off towable model

These values were obtained using harmonized EN ISO 3744:2010

DISC SPECS

35.6cm disc weighing 22.2kg fully assembled

- 2.5cm thick machined to balance cantilever designed disc turning at 2400 rpm
- Models: CH4400XE, CH45540XE & CH450HXE
- Standard 11.4cm x 22.9cm discharge chute. Optional discharge chute is 11.4cm square
- 33cm x 36.8cm feed chute
- Two reversible heat-treated steel chipper blades
- Four-sided cutter bar/anvil
- **Chipper Blade Kit: P/N: 76295-00**

50.8cm disc weighing 63.5kg, 3.2cm thick machined balanced

- All discs on engine driven models turn at 2000 rpms, on PTO models turn at 1675 rpms
- 10cm and 13cm chippers, Models CH5540XE, CH5540HXE & CH5653XE – same chipper body
- All have a 15cm discharge chute rotating 360 degrees
- All have a 14cm x 17.8cm feed opening
- All have the same reversible heat-treated steel chipper blades
- All have a four-sided adjustable steel anvil/cutter bar
- All have a double-banded belt drive
- **Chipper Blade Kit: P/N: 72493**

66cm disc weighing 74.8kg fully assembled

- 2.5cm thick machined to balance cantilever designed disc turning at 1750 rpm in a counter clockwise rotation
- Chipper Models: CH6730HXE & CH611DHXE
- 17cm square discharge chute
- 16.5cm x 34.3cm feed chute for easy feeding of limbs
- Four reversible heat-treated steel chipper blades
- Four-sided anvil/cutter bar mounted on the side of the feed chute
- Triple-banded belt
- New style local sensing two-stage pump with live hydraulics
- SmartFeed Sensor
- All have a hand-operated belt engagement lever
- **Chipper Blade Kit: P/N: 76293-00**

76.2cm disc weighing 120.2kg, 3.2cm thick dynamically balanced turning at 1500 rpms

- 23cm machines
- Model CHF9540HXE
- 23cm x 23cm feed opening
- Four reversible heat-treated steel chipper blades
- Four-sided adjustable steel anvil/cutter bar
- Triple-banded belt drive
- **Chipper Blade Kit: P/N: 74830-00**

76.2cm disc weighing 124.7kg, 3.2cm thick dynamically balanced turning at 1500 rmps

- 20.3cm and 23cm machines
- Models CH8720iHXE, CH8993HXE, CH8540XE, CH9540HXE, CH911DHXE, CH922DHXE – same chipper body
- All have an 20.3cm discharge chute rotating 360 degrees
- All have a 23cm x 23cm feed opening
- All have the same reversible heat-treated steel chipper blades
- All have a four-sided adjustable steel anvil/cutter bar
- All have a triple-banded belt drive
- **Chipper Blade Kit: P/N: 76293-00**

CHIPPER/SHREDDERS

4cm CAPACITY CHIPPER/SHREDDER

Model: SC2170

SHREDDING EFFICIENCY
- Two cast iron double hammer flails
- May be increased to a total of 4 cast iron double hammer flails for an increased shredding efficiency

SUBARU 170CC ENGINE

DIRECT DRIVE

TWO CHIPPING BLADES
- Reversible heat-treated steel chipper blades 8cm x 5cm x .6cm
- Cutting edge is machined at a 45-degree angle for more steel up front

WEIGHT
- 54kg

CHIPPER/SHREDDER ROTOR ASSEMBLY
- Rotor weight is 7.4kg
- Rotor turns at 3,800 rpm

EASY TO TRANSPORT
- Easy Grip Wide Handle
- Weight of machine is distributed evenly throughout

DISCHARGE SCREEN
- Comes standard with 2.87cm screen

SAFETY
- Meets applicable CE safety standards
- Meets ISO safety decal standards

ACCESSORIES
- 1.9cm Discharge Screen (P/N: 76893-35)

PARTS
- Chipper Blade Kit (P/N: 70738)
- Hammer Flail Kit (P/N: 77022-00)

CHIPPER/SHREDDERS

8cm CAPACITY CHIPPER/SHREDDERS *1 of 2*

Models: SC3206XE, SC3265XE, SC3305XE & SC3342XE

ENGINES

- **SC3206XE**
  Briggs & Stratton OHV engine 205cc
- **SC3305XE**
  Briggs & Stratton OHV engine 305cc
- **SC3265XE**
  Subaru EX engine 265cc
- **SC3342XE**
  Briggs & Stratton OHV engine 342cc

FUEL CAPACITY

- **SC3206XE** - 2.8 liters
- **SC3265XE** - 6.1 liters
- **SC3305XE & SC3342XE** - 3.8 liters

CHIPPER/SHREDDER ROTOR ASSEMBLY

SC3206XE

- Weighs 10.4kg
- Rotates counter-clockwise at 3,600 rpm
- 2.5cm diameter rotor shaft

SC3265XE, SC3305XE, SC3342XE

- Weighs 13.2kg
- Rotates counter-clockwise at 3,600 rpm
- 2.5cm-diameter rotor shaft

CHIPPER BLADES & HAMMER FLAILS

- Two reversible heat-treated steel chipper blades
- Dimensions LxWxH: 7.6cm x 5cm x 6cm
- SC3206XE - 4 double hammer flails
- SC3265XE, SC3305XE & SC3342XE – 8 double hammer flails

BEARINGS

- Two 2.5cm greasable bearings with 3 bolt cast flanges

BELT DRIVE

- With manual belt engagement
- SC3206XE, SC3305XE – Single belt driven
- SC3265XE, SC3342XE - Dual belt driven

FEED CHUTES

- Shredder Chute opening: 29.8cm x 55.9cm
- Rated chipper feed size of 7.6cm

SIDE DISCHARGE

- You don't have to move the equipment nearly as often with a side discharge as you do with a bottom discharge
- Heavy-duty 4.76mm thick screens available in 4 different sizes to fit your particular needs
- Quick and easy to change

CONVENIENT TRANSPORTATION

- Handle placement for the best control over various terrain, or tip it back and use the hopper handle for transporting on a smooth surface
- Pneumatic tires feature grease zerks, enabling easy greasing of the hub

CHIPPER/SHREDDERS

8cm CAPACITY CHIPPER/SHREDDERS *2 of 2*

Models: SC3206XE, SC3265XE, SC3305XE & SC3342XE

HEAVY-DUTY CONSTRUCTION
- Extra strength and reinforcements in areas that matter most
- 14 gauge (1.9mm) steel construction
- Built to last with welded construction instead of bolt together. The strongest motor mounts in the industry.

MACHINE DIMENSIONS
- LxWxH – 101cm x 56cm x 117cm

WEIGHTS
- **SC3206XE** - 88.5kg
- **SC3265XE** - 113.4kg
- **SC3305XE** - 103.4kg
- **SC3342XE** - 119.3kg

SAFETY
- Meets applicable CE safety standards
- Meets ISO safety decal standards

ACCESSORIES
- Leaf Tamper (P/N: 70089)
- Two-Wheel Tow Kit (P/N: 77000-00)
- Debris Bag (P/N: 17854)
- Weatherproof Kit (P/N: 70093)
- Tach/Hour Meter Kit (P/N: 31605-00)

SC3206XE
- Screen - Fine .95cm Holes (P/N: 77382-12)
- Screen - Medium 1.9cm Holes (P/N: 77383-12)
- Screen - Coarse 3.5cm Holes (P/N: 77384-12)
- Screen - Wet Debris (P/N: 77385-12)

SC3265XE, SC3305XE, SC3342XE
- Screen - Fine .95cm Holes (P/N: 77386-12)
- Screen - Medium 1.9cm Holes (P/N: 77387-12)
- Screen - Coarse 3.5cm Holes (P/N: 77388-12)
- Screen - Wet Debris (P/N: 77389-12)
- Blower Attachment (P/N: 70251)

PARTS
- Double-edge Blade Kit (P/N: 70738)
- SC3206XE - Hammer Flail Kit (P/N: 77320-00)
- SC3265XE, SC3305XE & SC3342XE – Hammer Flail Kit (P/N: 77321-00)

Debris Screens

A 3.5cm debris screen is standard with three others available depending on desired mulch size/type.

CHIPPER/SHREDDER/BLOWER

13cm CAPACITY CHIPPER/SHREDDER/BLOWER

Model: SC5720BXE

POWER SOURCE
- Subaru EH engine 720cc
- Max torque: 53.6 N.m at 2,500 rpm, runs at 3,600 rpm

FUEL CAPACITY
- 34.1 liters

CHIPPER/SHREDDER ROTOR ASSEMBLY
- Weighs 54 kg
- Machine balanced
- Rotates clockwise at 2,000 rpm
- 3.8cm diameter rotor shaft
- Easily accessible through the hinged cover, when open it exposes one half of the disc for easy access to the chipping blades and makes for easy clean out

CHIPPER BLADES & HAMMER FLAILS
- Four reversible heat-treated chipper steel blades
- Dimensions: 7.9cm x 5cm x .64cm
- SC5720BXE -12 Cast iron double hammer flails

BEARINGS
- Two 3.8cm greasable bearings with two bolt cast flanges

DOUBLE-BANDED BELT DRIVE
- With manual belt engagement on the SC5720BXE

FEED CHUTES
- Shredder opening is 48.7cm x 33cm
- Rated chipper feed size of 12.7cm

INTEGRATED DISCHARGE
- With a 360° rotatable, 15.25cm diameter steel tubing with adjustable spout cap allows you to put the chips where you want them the first time
- Discharge height is 2.2m

UNIQUE SCREENLESS SHREDDER
- Unique product, self-feed chipper/shredder without a screen. This greatly reduces the chance of plugging, especially with damp material

HEAVY-DUTY CONSTRUCTION
- 4.76mm reinforced steel bed

HIGHWAY TOWABLE (SC5720BXE)
- 109cm tread width (center to center) and 5.3-12 tires with 454kg torsion axle suspension enables the chipper to be easily towed down the highway
- 12 volt safety and directional lighting and tow chains are standard

TOWING WEIGHT
- 422kg

HITCH
- 50mm ball coupler is standard

MACHINE DIMENSIONS
- LxWxH – 233cm x 131cm x 233cm
- Weight: 408kg

SAFETY
- Meets applicable CE safety standards
- Meets ISO safety decal standards
- Safety chains
- Tail lights standard

ACCESSORIES
- Leaf Tamper (P/N: 70649)

PARTS
- Double-Edge Blade Kit (P/N: 72493)
- Hammer Flail Kit (P/N: 77332-00)

STUMP GRINDER

Model: SG340

ENGINE
- 340cc Honda GXV

DOUBLE-BANDED BELT DRIVE SYSTEM
- Double-banded belt driving the cutter head for more positive power transfer. Belt tension idler
- Reduces belt maintenance greatly

CARBIDE TEETH
- 12 carbide teeth offer maximum cutting performance. These teeth are locked into the cutter head (8 curved, 4 straight teeth)
- The cutter head turns at 3600 rpm with a speed at the tips of 2578m/min (8460 .ft/min.)
- A screen covered opening increases visibility to the cutter head

23cm DIAMETER CUTTER HEAD
- Large cutting diameter giving a smooth cut and can be easily removed for quick and easy sharpening

DEBRIS FLAP
- Mounted to the stump grinder axle

LARGE ENCLOSED DRIVE SHAFT
- Prevents chips from building up in the belts and pulleys
- Large 3.8cm diameter drive shaft provides years of reliability

20cm PNEUMATIC TIRES
- Pneumatic tires 4.80 x 400 x 20cm rim with ball bearing hub

SINGLE WHEEL BRAKE
- Allows the stump grinder to pivot and keep in position while grinding effortlessly

ENGINE KILL SWITCH
- Safety feature to shut engine off if disengaged for added safety

WEIGHT
- 88kg

ESTIMATED GRINDING TIME
- 20cm diameter stump, 20cm tall
  10cm above – 10cm below
  3 minutes
- 25cm diameter stump, 20cm tall — 5 minutes
- 31cm diameter stump, 20cm tall — 7 minutes
- 38cmdiameter stump, 20cm) tall— 12 minutes
- 51cm diameter stump, 20cm tall — 25 minutes

SAFETY
- Meets applicable CE safety standards
- Meets ISO safety decal standards

PARTS
- Replacement carbide cutter teeth kit (P/N: 76292-00)

Single Wheel Brake

CHIPPERS

10cm CAPACITY CHIPPER

Model: CH4400XE

ENGINE
- Subaru EX engine 404cc
- Max torque: 27 N.m at 2,400 rpm, runs at 3,600 rpm

FUEL CAPACITY
- 7 liters

35.6cm DIAMETER CANTILEVER DISC
- 35.6cm diameter by 2.5cm thick rotor disc
- Weighs 22.2kg
- Machine balanced
- Rotates clockwise at 2,800 rpm
- 3.2cm-diameter rotor shaft

TWO CHIPPING BLADES
- Two reversible heat-treated steel chipper blades
- Dimensions: 12.7cm x 10.2cm x 1.3cm

BEARINGS
- Two 3.2cm greasable bearings with two bolt cast flanges

BELT DRIVE
- Double-banded belt drive with manual belt engagement

ANVIL/CUTTER BAR
- Four-sided adjustable to insure good chipping ability
- LxWxH: 12.7cm x 4.4cm x .95cm

FEED CHUTE
- Opening 33cm X 36.8cm, 96.5cm off the ground
- Feed Throat Opening is 11.4cm X 11.4cm
- Rated Feed Size of 10cm

INTEGRATED DISCHARGE
- **Standard Discharge**
  11.4cm x 22.9cm and discharges towards the ground, from a height of 36cm
- **Optional Discharge**
  11.4cm x 11.4cm square discharge with adjustable deflector, discharges at a height of 1.4m

HEAVY-DUTY CONSTRUCTION
- Seven gauge steel throughout housing with welded construction
- Trailer is made of seven gauge steel
- Tongue is 5cm x 5cm with 11 gauge wall thickness

HIGHWAY TOWABLE
- 109cm tread width (center to center) and 4.80-8 tires with 454kg torsion axle suspension enables the chipper to be easily towed down the highway
- 12 volt safety and directional lighting and tow chains are standard

TOWING WEIGHT
- 243kg

HITCH
- 50mm ball coupler is standard

MACHINE DIMENSIONS
- LxWxH – 173cm x 130cm x 105cm
- Weight - 243kg

SAFETY
- Meets applicable CE safety standards.
- Meets ISO safety decal standards
- Safety chains
- Tail lights standard

ACCESSORIES
- Optional 10cm x 10cm Discharge Chute (P/N: 74634-00)
- Tach/Hour Meter Kit (P/N: 31605-00)

PARTS
- Blade Kit (P/N: 76295-00)

CHIPPERS

UP TO 13cm CAPACITY

REDUCE REUSE CHIP IT RECYCLE

13cm CAPACITY CHIPPER

Model: CH5653XE

ENGINE
- Subaru EH engine 653cc
- Max torque: 45.5 N.m at 2,500 rpm, runs at 3,600 rpm

FUEL CAPACITY
- 34.1 liters

51cm DIAMETER DISC
- 51cm diameter by 3.2cm thick rotor disc.
- Weighs 63.5kg
- Machine balanced
- Rotates clockwise at 2,400 rpm
- 3.8cm diameter rotor shaft
- Easily accessible through the hinged cover, when open it exposes one half of the disc for easy access to the chipping blades and makes for easy clean out

FOUR CHIPPING BLADES
- Four reversible heat-treated steel chipper blades
- Dimensions: 7.9cm x 5cm x .6cm

BEARINGS
- Two 3.8cm greasable bearings with two bolt cast flanges

BELT DRIVE
- Double-banded belt drive with manual belt engagement

ANVIL/CUTTER BAR
- Four-sided adjustable to insure good chipping ability
- LxWxH: 14.2cm x 10.2cm x .95cm

FEED CHUTE
- Opening 68.6cm x 71.1cm, 111cm off the ground
- Feed Throat Opening is 14cm x 17.8cm
- Rated Feed Size of 12.7cm

INTEGRATED DISCHARGE
- With a 360° rotatable, 15.2cm diameter steel tubing with adjustable spout cap allows you to put the chips where you want them the first time
- Discharge height is 2.2m

HEAVY-DUTY CONSTRUCTION
- 6.35cm thick steel housing with welded construction
- Trailer is made of seven gauge steel
- Tongue is 5cm x 5cm with 6.35mm wall thickness

HIGHWAY TOWABLE
- 112cm tread width (center to center) and 5.30-12 tires with 454kg torsion axle suspension enables the chipper to be easily towed down the highway
- 12 volt safety and directional lighting and towchains are standard

TOWING WEIGHT
- 431kg

HITCH
- 50mm ball coupler is standard

MACHINE DIMENSIONS
- LxWxH – 185cm x 132cm x 221cm
- Weight - 431kg

SAFETY
- Meets applicable CE safety standards
- Meets ISO safety decal standards
- Safety chains
- Tail lights standard

ACCESSORIES
- Tach/Hour Meter Kit (P/N: 31605-00)

PARTS
- Blade Kit (P/N: 72493)

CHIPPERS

15cm CAPACITY CANTILEVER CHIPPERS - *1 of 2*

Models: CH611DHXE & CH6730HXE

ENGINES
CH6730HXE
- Kohler engine 730cc
- Max torque: 55.4 N.m at 2,600 rpm, runs at 3,600 rpm

CH611DHXE
- Kubota engine 1.1 Liter Diesel
- Max torque: 73.5 N.m at 2,200 rpm, runs at 3,000 rpm

FUEL CAPACITY/CONSUMPTION
- 34.1 liters
- Fuel consumption on the 730cc Kohler is 8 liters per hour at full load
- Fuel consumption on the 1.1 L Kubota is 6.44 liters per hour at full load

66cm DIAMETER DISC
- 66cm diameter by 2.5cm thick rotor disc
- Weighs 75kg
- Machine balanced
- Rotates clockwise at 1,750 rpm
- 4.45cm diameter rotor shaft
- Easily accessible through the hinged cover, when open it exposes one half of the disc for easy access to the chipping blades and makes for easy clean out

FOUR CHIPPING BLADES
- Four reversible heat-treated steel chipper blades
- Dimensions: 12.7cm x 10.2cm x 1.3cm

BEARINGS
- Two 4.5cm greasable bearings with
- Four bolt cast flanges

BELT DRIVE
- Triple-banded belt drive with manual belt engagement

ANVIL/CUTTER BAR
- Four-sided adjustable anvil to insure good chipping ability
- LxWxH: 16.5cm x 10.2cm x 1.6cm

HYDRAULIC FEED SYSTEM
- Steel hydraulic reservoir, 15 liter capacity on CH611DHXE and a Nylon hydraulic reservoir, 11.5 liter capacity on the CH6730HXE
- Live hydraulics
- Self-contained hydraulic feed system allows you to evenly feed limbs into the chipper
- Variable feed rate on the CH611DHXE (available as an accessory on the CH6730HXE) with load sensing two-stage pump
- Feed rate 0-46 m/min Average 30 m/min
- Self-contained system with infinite speed settings, dedicated neutral and full reverse, pump output 25 liters/min and 4 hp with maximum pressure and maximum flow, however this is rarely required
- Feed system operates under 172 bar (2,500 psi)
- Single 38cm diameter top feed roller

PLUS ONE ELECTRONIC CONTROLLER
- Electronic system with Instant Reverse and Smart Feed
- Blade hour maintenance code alerts time to check the blades for sharpening. (Amber light on the controller)

FEED CHUTE
- Opening 83.8cm x 91.4cm, tray 68cm off the ground
- Feed Throat Opening is 16.5cm x 33cm
- 90° Feed Angle
- Feed table is 96.5cm long
- Rated Feed Size of 15.2cm

INTEGRATED DISCHARGE
CH6730HXE
- With a 360° rotatable, 15.2cm diameter steel tubing with adjustable spout cap allows you to put the chips where you want them the first time
- Discharge height is 2.72m

CH611DHXE
- With a 360° rotatable, 17cm square steel chute with screw-type adjustable spout cap allows you to put the chips where you want them the first time
- Discharge height is 2.3m

HEAVY-DUTY CONSTRUCTION
- 6.35cm thick steel housing with weldedconstruction
- Feed table is 10 gauge steel on the CH6730HXE and seven gauge steel on the CH611DHXE
- Tongue is 7.6cm x 7.6cm with 11 gauge wall thickness

CHIPPERS

15cm CAPACITY CANTILEVER CHIPPERS - *2 of 2*

Models: CH611DHXE & CH6730HXE

HIGHWAY TOWABLE

CH6730HXE

- 152cm tread width (center to center) and ST205/75R14 tires with 816kg torsion axle suspension enables the chipper to be easily towed down the highway
- 12 volt safety and directional lighting and tow chains are standard

CH611DHXE

- 127cm tread width (center to center) and P215/75R15 tires with 1030kg torsion axle suspension enables the chipper to be easily towed down the highway
- 12 volt safety and directional lighting and tow chains are standard

TOWING WEIGHT

- CH611DHXE – 1,043kg
- CH6730HXE – 741kg

HITCH

- 50mm ball coupler is standard
- CH611DHXE has a telescoping tongue the length may be adjusted up to 45cm

ADJUSTABLE TONGUE JACK

- Roller wheel with 385kg rating
- Adjustable jack allows one person to easily maneuver the chipper around and hook up to a vehicle

MACHINE DIMENSIONS

- CH6730HXE – LxWxH – 236.2cm x 203.2cm x 228.6cm
- CH611DHXE – LxWxH – 340.4cm x 149.9cm x 236.2cm

Cantilever-Mounted Disc on Select Models

SAFETY

- Meets applicable CE safety standards
- Meets ISO safety decal standards
- Safety chains
- Tail lights standard

ACCESSORIES

- 2 5/16" Coupler (P/N: 14519-00) (Serial# 700699 & up)
- Pintle Hitch (P/N: 14900-00) (Serial# 700699 & up)
- Spare Tire Kit (P/N: 75291-00)
- Tach/Hour Meter Kit - Gas (P/N: 31605-00)
- Tach/Hour Meter Kit - Diesel (P/N: 71921)
- Battery Disconnect Kit (CH6730HXE) - (P/N: 76721-00)
- Battery Disconnect Kit (CH611DHXE) - (P/N: 75291-00)
- Adjustable Feed Speed Kit (CH6730HXE) - (P/N: 76820-00)
- Knee Bar Safety Kit (CH6730HXE) - (P/N: 76945-00)
- Knee Bar Safety Kit (CH611DHXE) - (P/N: 76196-00)

PARTS

- Blade Kit (P/N: 76293-00) (Serial# 5VJAA00109W001786 & up)

CHIPPERS

20cm CAPACITY TURNTABLE CHIPPERS - *1 of 2*

Models: CH8720iHXE & CH8993HXE

ENGINES

CH8720iHXE

- EFI Subaru EH engine 720cc, Fuel injected
- Max torque: 52.1 N.m at 2,800 rpm

CH8993HXE

- Briggs & Stratton Vanguard engine 993cc
- Max torque: 71.1 N.m at 2,350 rpm

FUEL CAPACITY/CONSUMPTION

- 34.1 liters
- Fuel consumption on the 993cc Briggs & Stratton is 7.7 liters per hour at full load

76cm DIAMETER DISC

- 76cm diameter by 3.2cm thick rotor disc
- Weighs 125kg
- Machine balanced
- Rotates at 1,500 rpm
- 4.45cm diameter rotor shaft
- Easily accessible through the hinged cover, when open it exposes one half of the disc for easy access to the chipping blades and makes for easy clean out

FOUR CHIPPING BLADES

- Four reversible heat-treated chipper blades
- Dimensions: 12.7cm x 10.2cm x 1.3cm

BEARINGS

- Two 4.5cm greasable bearings with four bolt cast flanges

BELT DRIVE

- Triple-banded belt drive with manual belt engagement

ANVIL/CUTTER BAR

- Four-sided adjustable to insure good chipping ability
- LxWxH - 23.5cm x 8.9cm x 1.6cm

HYDRAULIC FEED SYSTEM

- Steel hydraulic reservoir, 11.5 liters capacity
- Live hydraulics with spring loaded belt tensioner
- Self-contained hydraulic feed system allows you to evenly feed limbs into the chipper
- Variable feed rate with load sensing two-stage pump
- Feed rate 0-46m/min, Average 30 m/min
- Self-contained system with infinite speed settings, dedicated neutral and full reverse, pump output 25 liters/min and 4 hp with maximum pressure and maximum flow, however this is rarely required
- Feed system operates under 172 bar (2,500 psi)
- Single 38cm diameter top feed roller

Heavy Duty Disc

CHIPPERS

20cm CAPACITY TURNTABLE CHIPPERS *2 of 2*

Models: CH8720iHXE & CH8993HXE

PLUS ONE ELECTRONIC CONTROLLER
- Electronic system with Instant Reverse and Smart Feed
- Blade hour maintenance code alerts time to check the blades for sharpening. (Amber light on the controller)

FEED CHUTE
- Opening 76.2cm X 78.7cm, Tray 68cm off the ground
- Feed Throat Opening is 23cm X 23cm
- 90° Feed Angle
- Feed table is 96.5cm long
- Rated Feed Size of 23cm

INTEGRATED DISCHARGE
- With a 360° rotatable, 20cm diameter steel tubing with adjustable spout cap allows you to put the chips where you want them the first time
- Discharge height is 2.41m

HEAVY-DUTY CONSTRUCTION
- .95cm thick steel face plate on the disc housing
- 6.35cm thick steel on the wrap around with welded construction
- Frame is 5cm x 5cm with 6.35mm wall thickness tubing
- Feed table is seven gauge steel
- Tongue is 5cm x 5cm with 6.35mm wall thickness

HIGHWAY TOWABLE
- 172cm tread width (center to center) and P215/75R15 tires with 1360kg torsion axle suspension enables the chipper to be easily towed down the highway
- 12 volt safety and directional lighting and tow chains are standard

TOWING WEIGHT
- CH8720iHXE – 1,009kg
- CH8993HXE – 1,066kg

HITCH
- 50mm ball coupler is standard

TELESCOPING TONGUE
- Adjustable length and height. The length may be adjusted up to 45cm

ADJUSTABLE TONGUE JACK
- Roller wheel with 385kg Rating
- Adjustable jack allows one person to easily maneuver the chipper around and hook up to a vehicle

MACHINE DIMENSIONS
- LxWxH – 236.2cm x 203.2cm x 228.6cm

360° ROTATIONAL BED
- Bed can rotate 360° for ease of feeding from any direction
- Brake for locking bed in place. With drop pin for positive transport lock
- Keeps work crews out of the street

SAFETY
- Meets applicable CE safety standards.
- Meets ISO safety decal standards
- Safety chains
- Tail lights standard

ACCESSORIES
- 5.9cm Coupler (P/N: 14519-00) (Serial# 700699 & Up)
- Pintle Hitch (P/N: 14900-00) (Serial# 700699 & Up)
- Low Profile Discharge Chute Kit (P/N: 74581-00)
- Knee Bar Safety Kit (P/N: 76195-00)
- Tach/Hour Meter Kit (P/N: 31605-00)

PARTS
- Blade Kit (P/N: 76293-00) (Serial# 5VJAA00109W001786 & Up)

CHIPPERS

23cm CAPACITY - *1 of 2*

Models: CH911DHXE & CH922DHXE

ENGINES
CH911DHXE
- Kubota engine 1.1 Liter Diesel
- Max torque: 73.5 N.m at 2,200 rpm, runs at 3,000 rpm

CH922DHXE
- Kubota engine 2.2 Liter Diesel
- Max torque: 147 N.m at 1,800 rpm, runs at 2,800 rpm

FUEL CAPACITY/CONSUMPTION
- 68 liters
- Fuel consumption on the 1.1 Liter Diesel Kubota is 7.57 liters per hour at full load
- Fuel consumption on the 2.2 Liter Diesel Kubota is 14.2 liters per hour at full load

76CM DIAMETER DISC
- 76cm diameter by 3.2cm thick rotor disc
- Weighs 125kg
- Machine balanced
- Rotates at 1,500 rpm
- 4.45cm diameter rotor shaft
- Easily accessible through the hinged cover, when open it exposes one half of the disc for easy access to the chipping blades and makes for easy clean out

FOUR CHIPPING BLADES
- Four reversible heat-treated steel chipper blades
- Dimensions: 12.7cm x 10.2cm x 1.3cm

BEARINGS
- Two 4.5cm greasable bearings with four bolt cast flanges

BELT DRIVE
- Triple-banded belt drive with manual belt engagement

ANVIL/CUTTER BAR
- Four-sided adjustable to insure good chipping ability
- LxWxH - 23.5cm x 8.9cm x 1.6cm

HYDRAULIC FEED SYSTEM
- Steel hydraulic reservoir, 11.5 liter capacity
- Live hydraulics with spring loaded belt tensioner
- Self-contained hydraulic feed system allows you to evenly feed limbs into the chipper
- Variable feed rate with load sensing two-stage pump
- Feed rate 0-46m/min, Average 30 m/min
- Self-contained system with infinite speed settings, dedicated neutral and full reverse, pump output 25 liters/min and 4 hp with maximum pressure and maximum flow, however this is rarely required
- Feed system operates under 172 bar (2,500 psi)
- Single 38cm diameter top feed roller

PLUS ONE ELECTRONIC CONTROLLER
- Electronic system with Instant Reverse and Smart Feed
- Blade hour maintenance code alerts time to check the blades for sharpening. (Amber light on the controller)

FEED CHUTE
- Opening 76.2cm x 78.7cm, Tray 68cm off the ground
- Feed Throat Opening is 23cm x 23cm
- 90° Feed Angle
- Feed table is 96.5cm long
- Rated Feed Size of 23cm

INTEGRATED DISCHARGE
- With a 360° rotatable, 20cm diameter steel tubing with adjustable spout cap allows you to put the chips where you want them the first time
- Discharge height is 2.36m

HEAVY-DUTY CONSTRUCTION
- .95cm thick steel face plate on the disc housing
- 6.35mm thick steel on the wrap around with welded construction
- 10cm "C" Channel frame construction

CHIPPERS

UP TO 23cm CAPACITY

REDUCE REUSE CHIP IT RECYCLE

23cm CAPACITY - *2 of 2*

Models: CH911DHXE & CH922DHXE

MACHINE DIMENSIONS
- LxWxH – 302cm x 200cm x 236cm

UNIT WEIGHT WITH OUT WHEELS OR AXLES
- CH911DHXE – 1,125kg
- CH9252DHXE – 1,225kg

SAFETY
- Meets applicable CE safety standards
- Meets ISO safety decal standards

ACCESSORIES
- Electric Brake Kit (P/N: 72730)
- Low Profile Discharge Chute Kit (P/N: 74581-00)
- Fine Chip Rotor Kit (P/N: 76775-00)
- Knee Bar Safety Kit (P/N: 76195-00)
- Hour Meter Kit, Diesel (P/N: 71921)
- Battery Disconnect Kit (P/N: 76721-00)

PARTS
- Blade Kit (P/N: 76293-00)
  (Serial# 5VJAA00109W001786 & up)

PTO MACHINES

11cm CAPACITY

Model: CH45540XE

PTO DRIVE
- 540 rpm input
- Recommend 11kW-21kW (15 hp-28 hp) at the PTO

51cm DIAMETER DISC
- 35.6cm diameter by 2.5cm thick rotor disc
- Weighs 22.2kg
- Machine balanced
- Rotates at 2,400 rpm
- 3.2cm diameter rotor shaft

CHIPPER BLADES
- Two reversible heat-treated steel chipper blades
- Dimensions: 12.7cm x 10.2cm x 1.3cm

BEARINGS
- Two 3.2cm greasable bearings with two bolt cast flanges

BELT DRIVE
- Two double-banded belt drives

ANVIL/CUTTER BAR
- Four-sided adjustable to insure good chipping ability
- LxWxH - 14.2cm x 10.2cm x .95cm

FEED CHUTE
- Opening 33cm x 36.8cm, 99cm off of the ground
- Feed Throat Opening is 11.4cm x 11.4cm
- Rated Feed Size of 11.4cm

INTEGRATED DISCHARGE
- Standard discharge is 11.4cm x 22.9cm and discharges towards the ground, from a height of 38m
- Optional Discharge is 11.4cm x 11.4cm square discharge with adjustable deflector, dicharges at a height of 1.4m

HEAVY-DUTY CONSTRUCTION
- Seven gauge steel throughout housing with welded construction

3-POINT HITCH
- Category 1
- Chipper weight is 164kg

MACHINE DIMENSIONS
- LxWxH – 96.5cm x 91.5cm 111.7cm

SAFETY
- Meets applicable CE safety standards.
- Meets ISO safety decal standards

ACCESSORIES
- Optional 10 cm x 10cm Discharge Chute (P/N: 74634-00)

PARTS
- Blade Kit (P/N: 76295-00)

PTO MACHINES

13cm CAPACITY

Models: CH5540HXE & CH5540XE

PTO DRIVE
- 540 rpm input
- Recommend 19kW-34kW (25 hp-45 hp) at the PTO

76cm DIAMETER DISC
- 51cm diameter by 3.2cm thick rotor disc.
- Weighs 63.5kg
- Machine balanced
- Rotates at 1,670 rpm
- 3.8cm diameter rotor shaft
- Easily accessible through the hinged cover, when open it exposes one half of the disc for easy access to the chipping blades and makes for easy clean out

CHIPPER BLADES
- Four reversible heat-treated steel chipper blades
- Dimensions: 7.9cm x 5cm x .64cm

BEARINGS
- Two 3.8cm greasable bearings with two bolt cast flanges.

BELT DRIVE
- Double-banded belt drive

ANVIL/CUTTER BAR
- Four-sided adjustable anvil to insure good chipping ability
- LxWxH - 14.2cm x 10.2cm x .95cm

HYDRAULIC FEED SYSTEM (CH5540HXE)
- Single 38cm diameter top feed roller
- Maximum capacity of 11.36 liters/minute at 172 bar (2,500 psi)
- Electric/Hydraulic System to control feed roller direction

FEED CHUTE
- Opening 68.5cm x 71cm
- Feed Throat Opening is 14cm x 17.8cm
- Rated Feed Size of 13cm

INTEGRATED DISCHARGE
- With a 360° rotatable, 15.25cm diameter steel tubing with adjustable spout cap allows you to put the chips where you want them the first time
- Discharge height is 2.3m

HEAVY-DUTY CONSTRUCTION
- 6.35mm thick steel throughout housing with welded construction

CATEGORY 1, 3-POINT HITCH
- **CH5540HXE** - Weight is 445kg
- **CH5540XE** - Weight is 272kg

MACHINE DIMENSIONS
- **CH5540HXE** – LxWxH 239cm x 102cm x 236cm
- **CH5540XE** – LxWxH 122cm x 114cm x 221cm

SAFETY
- Meets applicable CE safety standards
- Meets ISO safety decal standards.

ACCESSORIES (CH5540HXE)
- Auto Feed Kit (P/N: 73071)

PARTS
- Blade Kit (P/N: 72493)

PTO MACHINES

UP TO 13cm CAPACITY

13cm CAPACITY CHIPPER/SHREDDER/BLOWER

Model: SC5540BXE

REDUCE REUSE CHIP IT RECYCLE

POWER SOURCE
- 540 rpm input
- Recommend 19kW-34kW (25 hp-45 hp) at the PTO

CHIPPER/SHREDDER ROTOR ASSEMBLY
- Weighs 65.8kg
- Machine balanced
- Rotates clockwise at 2,000 rpm
- 3.8cm diameter rotor shaft
- Easily accessible through the hinged cover, when open it exposes one half of the disc for easy access to the chipping blades and makes for easy clean out

CHIPPER BLADES & SHREDDING KNIVES
- Four reversible heat-treated steel chipper blades
- Dimensions: 7.9cm x 5cm x .64cm
- 36 shredding knives

BEARINGS
- Two 3.8cm greasable bearings with two bolt cast flanges

BELT DRIVE
- Double-banded belt drive

FEED CHUTES
- Shredder opening is 48.7cm x 33cm
- Rated chipper feed size of 12.7cm

INTEGRATED DISCHARGE
- With a 360° rotatable, 15.25cm diameter steel tubing with adjustable spout cap allows you to put the chips where you want them the first time
- Discharge height is 2.2m

UNIQUE SCREENLESS SHREDDER
- Unique product, self-feed chipper/shredder without a screen. This greatly reduces the chance of plugging, especially with damp material

HEAVY-DUTY CONSTRUCTION
- 4.76mm reinforced steel bed

MACHINE DIMENSIONS
- LxWxH – 45.7cm x 190.5cm x 370.8cm
- Weight: 327 kg

SAFETY
- Meets applicable CE safety standards
- Meets ISO safety decal standards
- Safety chains

ACCESSORIES
- Leaf Tamper (P/N: 70649)

PARTS
- Double-Edge Blade Kit (P/N: 72493)
- Shredder Knife Kit (P/N: 70972)

PTO MACHINES

20cm CAPACITY

Model: CH8540XE

PTO DRIVE
- 540 rpm input
- Recommend 26kW-45kW (35 hp-60 hp) at the PTO

76cm DIAMETER DISC
- 76cm diameter by 3.2cm thick rotor disc
- Weighs 125kg
- Machine balanced
- Rotates at 1500 rpm
- 4.45cm diameter rotor shaft
- Easily accessible through the hinged cover, when opened, it exposes one half of the disc for easy access to the chipping blades and makes for easy clean out

CHIPPER BLADES
- Four reversible heat-treated steel chipper blades
- Dimensions: 12.7cm x 10.2cm x 1.3cm

BEARINGS
- Two 4.5cm greasable bearings with four bolt cast flanges

BELT DRIVE
- Triple-banded belt drive

ANVIL/CUTTER BAR
- Four-sided adjustable anvil to insure good chipping ability
- LxWxH - 23.5cm x 8.9cm x 1.6cm

FEED CHUTE
- Opening 77.5cm X 78.7cm, 118cm off the ground
- Feed throat opening is 23cm X 23cm
- Rated feed size of 23cm

INTEGRATED DISCHARGE
- With a 360° rotatable, 20cm diameter steel tubing with adjustable spout cap allows you to put the chips where you want them the first time
- Discharge height is 2.3m

HEAVY-DUTY CONSTRUCTION
- .95cm thick steel face plate on the disc housing
- 6.35mm thick steel on the wrap around with welded construction
- Frame is 5cm x 5cm, 6.35mm thick wall

3-POINT HITCH
- Category 1
- Chipper weight is 402kg

MACHINE DIMENSIONS
- LxWxH – 132cm x 119cm x 236cm

SAFETY
- Meets applicable CE safety standards
- Meets ISO safety decal standards

ACCESSORIES
- Low Profile Discharge Chute Kit (P/N: 74581-00)

PARTS
- Blade Kit (P/N:76293-00) (Serial# 901388 & Up)

PTO MACHINES

23cm CAPACITY *1 of 2*

Models: CH9540HXE & CHF9540HXE

PTO DRIVE
- 540 rpm input
- Recommend 26kW-45kW (35 hp-60 hp) at the PTO

76CM DIAMETER DISC
- 76cm diameter by 3.2cm thick rotor disc
- Weighs 125kg
- Machine balanced
- Rotates at 1500 rpm
- 4.45cm diameter rotor shaft
- Easily accessible through the hinged cover, when open it exposes one half of the disc for easy access to the chipping blades and makes for easy clean out

CHIPPER BLADES
CH9540HXE
- Four reversible heat-treated steel chipper blades
- Dimensions: 12.7cm x 10.2cm x 1.3cm

CHF9540HXE
- 16 reversible heat-treated steel chipper blades
- Dimensions: 7.9cm x 5cm x .6cm
- Blades are spaced on the disk to provide maximum coverage and produce an extremely small chip

BEARINGS
- Two 4.5cm greasable bearings with four bolt cast flanges

BELT DRIVE
- Triple-banded belt drive

ANVIL/CUTTER BAR
- Four-sided adjustable anvil to insure good chipping ability
- Dimensions: 23.5cm x 8.9cm x 1.6cm

HYDRAULIC FEED SYSTEM
- Steel hydraulic reservoir, 11.5 liter capacity
- Live hydraulics
- Self-contained hydraulic feed system allows you to evenly feed limbs into the chipper
- Variable feed rate with load sensing two-stage pump
- Feed rate 0-46m/min, Average 30 m/min
- Self-contained system with infinite speed settings, dedicated neutral and full reverse, pump output 25 liters/min and 4Hp with maximum pressure and maximum flow, however this is rarely required
- Feed system operates under 172 bar (2,500 psi)
- Single 38cm diameter top feed roller

PLUS ONE ELECTRONIC CONTROLLER
- Electronic system with Instant Reverse and Smart Feed
- Blade hour maintenance code alerts time to check the blades for sharpening. (Amber light on the controller)

PTO MACHINES

23cm CAPACITY *2 of 2*

Models: CH9540HXE & CHF9540HXE

FEED CHUTE
- Opening 77cm X 78cm, Tray 68cm off the ground
- Feed throat opening is 23cm x 23cm
- 90° feed angle
- Feed table is 96.5cm long
- Rated feed size of 23cm

INTEGRATED DISCHARGE
- With a 360° rotatable, 20cm diameter steel tubing with adjustable spout cap allows you to put the chips where you want them the first time
- Discharge height is 2.3m

HEAVY-DUTY CONSTRUCTION
- .95cm thick steel face plate on the disc housing
- 6.35mm thick steel on the wrap around with welded construction.
- Frame is 5cm x 5cm, 6.35mm thick wall

3-POINT HITCH
- Category 1
- Chipper weight is 590kg

MACHINE DIMENSIONS
- LxWxH – 236cm x 203cm x 228cm

SAFETY
- Meets applicable CE safety standards
- Meets ISO safety decal standards

ACCESSORIES (CH9540HXE)
- Low Profile Discharge Chute Kit (P/N: 74581-00)
- Fine Chip Rotor Kit (P/N: 76775-00)

PARTS
- Blade Kit for model CH9540HXE (P/N: 76293-00) (Serial# 901388 & Up)
- Blade Kit for model CHF9540HXE (P/N: 74830-00)

SKID STEER CHIPPERS

11cm CAPACITY

Model: CH450HXE

SKID-STEER MOUNT
- **CH450XE fits mini skid steer**
  (Minimum: 41.6L/min - Maximum: 56.8L/min)
- Easy to attach just connect chipper to the SAE J2513 Quik-Attach, attach the hydraulic hoses, and you are ready to go

CHIPPER DISC
- 35.6cm diameter by 2.5cm thick rotor disc
- Weighs 22.2kg
- Machine balanced
- Rotates at 2,400 rpm
- 3.2cm diameter rotor shaft

CHIPPING BLADES
- Two reversible heat-treated steel chipper blades
- Dimensions: 12.7cm x 10.2cm x 1.3cm

BEARINGS
- Two 3.2cm greasable bearings with two bolt cast flanges

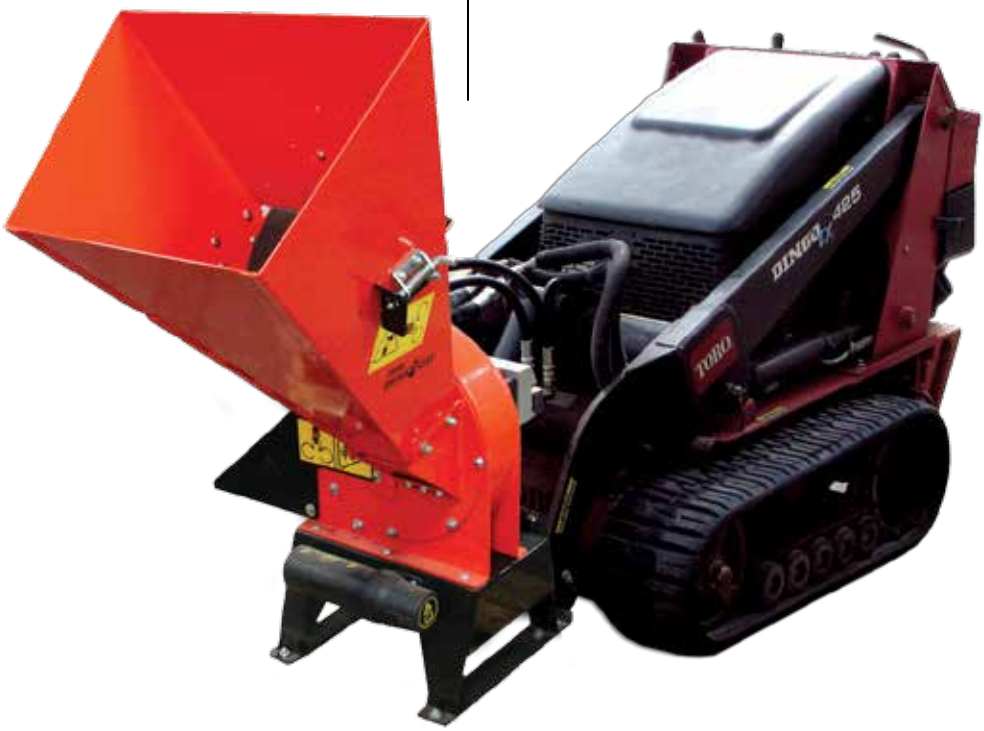
ANVIL/CUTTER BAR
- Four-sided adjustable anvil to insure good chipping ability

INTEGRATED DISCHARGE
- The CH450H's standard discharge is 11.4cm x 22.9cm and discharges towards the ground, from a height of 27cm
- The Optional Discharge is 11.4cm x 11.4cm square discharge with adjustable deflector, discharges at a height of 1.4m

WEIGHT
- Weighs 163kg

SAFETY
- Meets applicable CE safety standards
- Meets ISO safety decal standards

PARTS
- Double-Edge Blade Kit (P/N: 76295-00)



WHEELED VACUUMS

Models: WV190 & WV190S

ENGINES
- WV190 & WV190S – 190cc Briggs & Stratton

FAN ROTOR
- Five blade fan
- 6.35mm steel welded rotor construction

ONE PIECE HOUSING
- Made with .25cm thick Linear Low Density Polyurethane with a UV inhibitor
- No cracks or seams, easily replaceable
- Easily removable adapter with bag
- Discharge opening 15cm x 16.27cm
- Intake width 68.58cm

PUSH OR SELF-PROPELLED
- Model WV190S is a 3-speed self-propelled 1st – 1.14 kph, 2nd – 1.5 kph, 3rd – 1.95 kph
- Drive off the rear wheels where the weight is centered, providing more traction
- Ball bearing wheels for a smoother, easier ride over the ground

HANDLEBARS
- Four adjustable height settings
- Cushion Grip

BAG
- Large capacity, hard bottom, quick dump bag True 6-bushel capacity
- Dust reduction
- Heavy-duty, double stitched nylon zipper with deflector flaps
- Adjustable hanger straps which wrap completely under the bag

ADJUSTABLE FRONT – FIVE HEIGHT SETTINGS
- Ground level (set at factory .635cm above ground)
  - a) 3.175cm
  - b) 6.0325cm
  - c) 8.89cm
  - d) 14.43cm

WEIGHT
- **WV190** – 51kg
- **WV190S** – 57kg

SAFETY
- Meets applicable CE safety standards
- Meets ISO safety decal standards

ACCESSORIES
- Caster Wheels Kit (P/N: 76967-00)
- 10.16cm Diameter Hose Kit (P/N: 73606-00)
- Nozzle Wear Plate Kit (P/N: 73640-00)
- Wear Liner (P/N: 76466-00)

PARTS
- Replacement Debris Bag (P/N: 31339-00)

DEBRIS LOADERS

HITCH MOUNT DEBRIS LOADERS

Models: DL8390 & DL10570

ENGINE
- **DL8390**
  Honda 390cc OHV with recoil start
- **DL10570**
  Briggs & Stratton 570cc V-Twin with recoil start

FUEL CAPACITY
- **DL8390** - 6.4 liters
- **DL10570** - 7.9 liters

FAN AND HOUSING
- Wear liners made out of special high strength steel
- Fan blades made of 9.5mm thick steel
- Scrolled fan housing for more efficient transfer of air

DIRECT DRIVE

DISCHARGE CHUTE
- 360° Rotational 20.3cm discharge chute

BUILT TO LAST
- Heavy-duty swivel boom
- Light-weight aluminum handle
- 20.3cm diameter 3.7m long flex hose (model DL8390)
- 25.4cm diameter 3.7m long flex hose (model DL10570)

CFMS
- DL8390 – 2317
- DL10570– 2317

Maximum CFM

EASY TO USE
- Has a lightweight aluminum handle

EASY MAINTENANCE
- One bolt manifold removal for easy fan clean out

MACHINE DIMENSIONS
- **DL8390**
  LxWxH – 89.5cm x 64.8cm x 146.7cm; 127 kg
- **DL10570**
  LxWxH – 89.5cm x 67.3cm x 146.7cm; 127kg

SAFETY
- Meets applicable CE safety standards
- Meets ISO safety decal standards

ACCESSORIES
- 40.6cm Vertical Chute Extension (P/N: 75888-00)
- Swing Away Hitch Mount Kit (P/N: 75739-00)
- Tailgate Adapter Kit (P/N: 75753-00)

PARTS
- Wear Liner Replacement Kit (P/N: 75768-00)

SKID MOUNT DEBRIS LOADERS
Model: DL12653 & DL12720

ENGINE

DL12653
- Subaru 653cc with electric start

DL12720
- Subaru 720cc with electric start

FUEL CAPACITY
- 34.1 liters

FAN AND HOUSING
- Wear liners made out of special high strength steel
- Four-blade fan made out of 9.5mm thick steel
- Scrolled fan housing for more efficient transfer of air

DRIVE

DL12653
- Direct drive

DL12720
- Double-banded belt drive with manual belt engagement

360° ROTATIONAL 20cm DISCHARGE CHUTE

BUILT TO LAST
- Heavy duty swivel boom with hose storage
- 30.5 cm diameter 3.7m long heat resistant flex hose

EASY TO USE
- Has a lightweight aluminum handle

EASY MAINTENANCE
- One bolt manifold removal for easy fan clean out
- Taper lock bearings on fan

MACHINE DIMENSIONS
- **DL12653**
  LxWxH – 77cm x 127cm x 218cm; 270 kg
- **DL12720**
  LxWxH – 77cm x 128cm x 218cm; 306 kg

CFMS
- DL12653 – 3410
- DL12720 – 3380

SAFETY
- Meets applicable CE safety standards
- Meets ISO safety decal standards

ACCESSORIES
- 40.6cm Vertical Chute Extension (P/N: 75888-00)
- 1.2 m flexible Horizontal Chute Extension (P/N: 74737-00)
- Work Light Kit (P/N: 77105-00)

PARTS
- Flexible Hose (P/N: 12778)
- Wear Liner Replacement Kit (P/N: 77073-00)

Model shown with optional trailer.
Trailer not available in CE compliant required areas.

ECHO BEAR CAT GEAR

REUSABLE VINYL EARPLUGS WITH CASE

The handy carrying case can be worn on your belt when not in use. Cleanup is easy with just warm water. CE and OSHA approved.

P/N: 31539-00

EAR MUFFS

These light-weight ear muffs have an NRR of 29 dB(A) when used as directed and meet CE standard 3.19.

P/N: 36775-00

CE EN352-1:2002

SAFETY GLASSES

Lightweight and impact resistant. Hard-coated optical-grade, abrasion resistant lenses. Polycarbonate lenses offer 99.9% protection from the most intense UV rays.

Tech Glasses

P/N: 36773-00

Zone II Glasses

P/N: 36774-00

HELMET SYSTEM

Includes helmet, mesh face visor and ear protection.

P/N: 36776-00

CE EN397:1995 CLASS EG & C
CE EN1663B
CE EN352-3:1997

PREMIUM SAFETY VEST

Highly visible vest features 5-point tear away panels for safety.

P/N: 36777-00 (large)
P/N: 36778-00 (xlarge)
P/N: 36779-00 (xxlarge)

ISEA 107-2004

VIBRATION-REDUCING SPORT/LANDSCAPE GLOVES

Premium, padded-leather-palm gloves help reduce vibration. Also feature form fitting fingers and Velcro®-type wrist band for tight fit.

P/N: 31299-00 (large)
P/N: 31300-00 (xlarge)

NOTES

WARRANTY COVERAGE

CURRENT MODELS *1 of 2*

PRODUCT		ECHO BEAR CAT WARRANTY				
CHIPPER/SHREDDER						
MODEL	**ENGINE**	**CONSUMER**	**COMMERCIAL**	**RENTAL**	**PARTS**	**LABOR**
SC2170	170cc Subaru	2 year	1 year	6 mo.	YES	YES
SC3206XE	205cc B&S	2 year	1 year	6 mo.	YES	YES
SC3265XE	265cc Subaru	2 year	1 year	6 mo.	YES	YES
SC3305XE	305cc B&S	2 year	1 year	6 mo.	YES	YES
SC3342XE	342cc B&S	2 year	1 year	6 mo.	YES	YES
SC5540BXE	N/A	2 year	1 year	6 mo.	YES	YES
SC5720BXE	720cc Subaru	2 year	1 year	6 mo.	YES	YES
CHIPPERS						
MODEL	**ENGINE**	**CONSUMER**	**COMM.**	**RENTAL**	**PARTS**	**LABOR**
CH4400XE	404cc Subaru	2 year	1 year	6 mo.	YES	YES
CH45540XE	N/A	2 year	1 year	6 mo.	YES	YES
CH5540XE	N/A	2 year	1 year	6 mo.	YES	YES
CH5540HXE	N/A	2 year	1 year	6 mo.	YES	YES
CH5653XE	653cc Subaru	2 year	1 year	6 mo.	YES	YES
CH611DHXE	1.1 Liter Kubota	2 year	1 year	6 mo.	YES	YES
CH6730HXE	730cc Kohler	2 year	1 year	6 mo.	YES	YES
CH8720iHXE	720cc Subaru	2 year	1 year	6 mo.	YES	YES
CH8993HXE	993cc B&S	2 year	1 year	6 mo.	YES	YES
CH8540XE	N/A	2 year	1 year	6 mo.	YES	YES
CH9540HXE	N/A	2 year	1 year	6 mo.	YES	YES
CHF9540HXE	N/A	2 year	1 year	6 mo.	YES	YES
CH911DHXE	1.1 L Kubota	2 year	1 year	6 mo.	YES	YES
CH922DHXE	2.2 L Kubota	2 year	1 year	6 mo.	YES	YES

WARRANTY COVERAGE

CURRENT MODELS *2 of 2*

PRODUCT		ECHO BEAR CAT WARRANTY				
DEBRIS LOADERS						
MODEL	**ENGINE**	**CONSUMER**	**COMM.**	**RENTAL**	**PARTS**	**LABOR**
DL8390	390cc Honda GX	2 year	1 year	6 mo.	YES	YES
DL10570	570cc B&S	2 year	1 year	6 mo.	YES	YES
DL12653	653cc Subaru	2 year	1 year	6 mo.	YES	YES
DL12720	720cc Subaru	2 year	1 year	6 mo.	YES	YES
STUMP GRINDERS						
MODEL	**ENGINE**	**CONSUMER**	**COMM.**	**RENTAL**	**PARTS**	**LABOR**
SG340	340cc Honda GXV	2 year	1 year	6 mo.	YES	YES
WHEELED VACUUMS						
MODEL	**ENGINE**	**CONSUMER**	**COMM.**	**RENTAL**	**PARTS**	**LABOR**
WV190 WV190S	190cc B&S	2 year	1 year	6 mo.	YES	YES

NOTE: "Consumer" use means personal residential household use by the original retail customer. "Commercial" or "Rental" use means all other uses, including commercial, income producing or rental. Once a unit has experienced commercial or rental use, it will thereafter be considered as commercial or rental.

ENGINE WARRANTY: For Engine Warranty information or service needs regarding the engine of your machine, record the serial number of the engine and refer to the Engine Owners Manual for terms and conditions of the manufacturer or see your nearest dealer.

WARRANTY COVERAGE

NON-CURRENT PRODUCTION *1 of 2*

PRODUCT		ECHO BEAR CAT WARRANTY				
CHIPPER/SHREDDER						
MODEL	**ENGINE**	**CONSUMER**	**COMMERCIAL.**	**RENTAL**	**PARTS**	**LABOR**
SC2206	190cc B&S	2 year	1 year	6 mo.	YES	YES
SC3240, SC3240T	240cc Honda GX (purchased on or before Dec. 31, 2008)	2 year	1 year	6 mo.	YES	YES
	240cc Honda GX (purchased on or after Jan. 1, 2009)	2 year	1 year	6 mo.	YES	YES
SC3270, SC3270T	270cc Honda GX (purchased on or before Dec. 31, 2008)	2 year	1 year	6 mo.	YES	YES
	270cc Honda GX (purchased on or after Jan. 1, 2009)	2 year	1 year	6 mo.	YES	YES
SC5614	614cc Honda GX/20hp Kohler (purchased on or before Dec. 31, 2008)	2 year	1 year	6 mo.	YES	YES
	614cc Honda GX (purchased on or after Jan. 1, 2009)	2 year	1 year	6 mo.	YES	YES
SC5670B	670cc Honda GX (purchased on or before Dec. 31, 2008)	2 year	1 year	6 mo.	YES	YES
	670cc Honda GX (purchased on or after Jan. 1, 2009)	2 year	1 year	6 mo.	YES	YES
CHIPPER ONLY						
MODEL	**ENGINE**	**CONSUMER**	**COMMERCIAL.**	**RENTAL**	**PARTS**	**LABOR**
CH45342	342cc B&S	2 year	1 year	6 mo.	YES	YES
CH45390	390cc Honda GX (purchased on or before Dec. 31, 2008)	2 year	1 year	6 mo.	YES	YES
	390cc Honda GX (purchased on or after Jan. 1, 2009)	2 year	1 year	6 mo.	YES	YES
CH45540	N/A	2 year	1 year	6 mo.	YES	YES
CH4614	614cc Honda GX (purchased on or before Dec. 31, 2008)	2 year	1 year	6 mo.	YES	YES
	614cc Honda GX (purchased on or after Jan. 1, 2009)	2 year	1 year	6 mo.	YES	YES
CH4540	N/A	2 year	1 year	6 mo.	YES	YES
CH6614	614cc Honda GX (20hp Kohler) (purchased on or before Dec. 31, 2008)	2 year	1 year	6 mo.	YES	YES
	614cc Honda GX (purchased on or after Jan. 1, 2009)	2 year	1 year	6 mo.	YES	YES

WARRANTY COVERAGE

NON-CURRENT PRODUCTION *2 of 2*

PRODUCT		ECHO BEAR CAT WARRANTY				
CHIPPER (continued)						
CH6614H	614cc Honda GX (20hp Kohler) (purchased on or before Dec. 31, 2008)	2 year	1 year	6 mo.	YES	YES
	614cc Honda GX (purchased on or after Jan. 1, 2009)	2 year	1 year	6 mo.	YES	YES
CH6670H	670cc Honda GX (purchased on or before Dec. 31, 2008)	2 year	1 year	6 mo.	YES	YES
	670cc Honda GX (purchased on or after Jan. 1, 2009)	2 year	1 year	6 mo.	YES	YES
CH6993H	993cc B&S Vanguard	2 year	1 year	6 mo.	YES	YES
CH8670H	670cc Honda GX (purchased on or before Dec. 31, 2008)	2 year	1 year	6 mo.	YES	YES
	670cc Honda GX (purchased on or after Jan. 1, 2009)	2 year	1 year	6 mo.	YES	YES
CH123DH	3 L Kubota	2 year	1 year	6 mo.	YES	YES
DEBRIS LOADERS						
MODEL	**ENGINE**	**CONSUMER**	**COMMERCIAL.**	**RENTAL**	**PARTS**	**LABOR**
DL12670	670cc Honda GX (purchased on or before Dec. 31, 2008)	2 year	1 year	6 mo.	YES	YES
	670cc Honda GX (purchased on or after Jan. 1, 2009)	2 year	1 year	6 mo.	YES	YES
WHEELED VACUUMS						
MODEL	**ENGINE**	**CONSUMER**	**COMMERCIAL.**	**RENTAL**	**PARTS**	**LABOR**
WV179	179cc Kawasaki	2 year	1 year	6 mo.	YES	YES
WV179S	179cc Kawasaki	2 year	1 year	6 mo.	YES	YES

Depending on the global region in which the machine is sold, suffixes for all the models listed could include: XE, XF, XS, XN or S.

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BELT REFERENCE GUIDE

Part Number	Description	Models	Area Used
12106	Belt, 3V670 Kevlar	72085, 72285, 72385 (SN =>21300), 75011, 75111	Beater Bar
12119	Belt, 2RB65	73525	Drive
12273	Belt, 3B90 Banded	CH922DH (74950)	Drive
12317	Belt, 4L 53	73040, 73050, 73450, 74040, 74450, 74455, 74050, 74060, 74065, 75065, 76065, WT160, WT160T, WT190, WT190T	Drive
12365	Belt, 3VX530	73710, SG340 (73711)	Drive
12573	Belt, 3L x 52 Kevlar	73150, 73350, 73265, 73455, 75365, WT160S, WT190S, WT190SE	Drive
12660	Belt, 4L350	CH5540H (74554), 74624, 74520	Hyd Feed
16000	Belt, BX-65	70500	Drive
16021	Belt, BX-46	70510, 70520	Drive
16043	Belt, 29"	CH6730H, CH6670H (76624) & CH6993H (76635)(SN>603143),	Pump
16043	Belt, 29"	SC3206 (70050) (SN>105334), SC3342 (75311) (Single Belt Drive SN<C03478), SC3305 (70080), SC3270E (70085), SC3240 (78380), 70180	Drive
16081	Belt, 27"	SC3206 (70050) (SN<105334)	Drive
16086	Belt, BX-49	70487	Drive
16347	Belt, 2B70 Banded	SC5614 (71020), 73413, 73420, 74520, 73120, 73125, 73725, 71014, DL12670 (75124), DL12720	Drive
16500	Belt, VGates 6958	71110, 71125	Drive
16559	Belt, 3B83 Banded	CH8720iH, CH6614 (71620), CH6614H (72620), CH911DH (72928), CH8670H (76824), CH8993H (76835), 71825, 72825, 74824,	Drive
32252-00	Belt, Banded Chipper (3RB)	CH8540 (71854), CH9540H (72854), CHF9540H (76854)	Drive
16636	Belt, BX-43	CH9540H (72854), CHF9540H (76854)	Hyd Feed
16660	Belt, BX-38	CH911DH (72928) & CH922DH (74950)(VIN<5VJAA00118W000989), CH6614 (72620), 72825, 74824, 72942,	Hyd Feed
16691	Belt, 3VX500	71755	Drive
16787	Belt, 3B85 Banded	72942	Drive
16799	Belt, 2R3VX475 EL COG	71785	Drive
16911	Belt, 3V560	72085, 72285, 72385, 75011, 75111	Drive
16912	Belt, 3V600	72085, 72285, 72385 (SN<21300)	Beater Bar
17055	Belt, BX-56	SC5540B (73454),CH5540H (74554), CH5540 (QTY 2 NEEDED), SC5540 (70554), 70520	Drive
17558	Belt, 4L-38	70251, 70252	Drive
17996	Belts, 29" (Matched set)	SC3265, SC3240 (70380), SC3240T (70580), 70385, SC3342 (Dual Belt Drive SN=>C03478)	Dual Belt Drive
13426-00	Belt, 2RBP56	SC5540B (73554)	Drive
13884-00	Belt, SP BEARVAC (3L32)	WV190S (75360) WV179S (77360), and WV160S (75350)	Drive
13973-00	Belt, 2RB63 Banded	SC5670B (75524)	Drive
14261-00	Belt, 3RB48 Banded	CH6730H, CH6993H (76635), CH611DH (76628), CH6670H (76624), 74628, 74624,	Drive
14770-00	Belt, 2RB61	CH4400, CH45342 (77412), CH45390 (77413)	Drive
14804-00	Belt, 5-5V750, Non Cog	CH123DH (7812086)	Drive
18093-00	Belt, 2RB47	CH45540 (77454) (QTY 2 NEEDED)	Drive
18277-00	BX44 Belt	CH8720iH, CH8670H (76824), CH8993H (76835)	Hydraulic
18531-00	BX30 Belt	CH911DH, CH922DH (VIN>5VJAA00178W001015)	Hydraulic
18633-00	BX33 Belt	CH611DH (76628)	Hydraulic
31460-00	Belt, 2BRP67	CH5653	Drive
31498-00	Belt, 2RB40	SC5720B	Drive
31995-00	Belt, 5L500 Wrapped Aramid	WT24, WT24S, WT24T	Drive

Depending on the global region in which the machine is sold, suffixes for all the models listed could include: XE, XF, XS, XN or S.

ROTOR & CHIPPER/SHREDDER KITS

ROTOR REPLACEMENT KITS

Part Number	Description	Models
75399-00	Assembly, C/S Rotor	SC2206
70277	Kit, Replacement Rotor, 5 HP machines (SN 25659 and below) (Shredder kit not included)	SC3206 (70050)
70062	Kit, Replacement Rotor, 8 HP machines (SN 25659 and below) (Shredder kit not included)	SC3265, SC3305 (70080), SC3305E (70085), SC3240 (70380), SC3240T (70580), SC3270, SC3270T, SC3342 (75311), 70385, 70180
70366	Kit, Replacement Rotor, 5" chipper/shredders (SN 26377 and below) (Shredder kit not included)	SC5540 (70554), SC5540B (71020), 71014, 70500
73371-00	Assembly, Rotor, 5" Chipper/Shredders (Shredder kit included)	SC5670B (75524), SC5540B (73554), 73525
74209-00	Rotor Replacement Assembly, 3" Chipper Shredders (SN 25660 thru C03277)	SC3265, SC3305 (70080), SC3305E (70085), SC3240 (70380), SC3240T (70580), SC3270, SC3270T, SC3342 (75311), 70385, 70180
76754-00	Rotor Replacement Assembly	SC2170
76861-00	Rotor Replacement Assembly	SC5720B
77263-00	Narrow Rotor Replacement Assembly (SN C03478 to current)	SC3206
77304-00	Wide Rotor Replacement Assembly (SN C03478 to current)	SC3265, SC3305, SC3305E, SC3342

SHREDDER KNIFE & FLAIL REPLACEMENT KITS

Kits contain all knives or flails and hardware

Part Number	Description	Models
70972	Kit, Commercial Shredder with Rectangular Knives	SC5540 (70554), SC5614 (71020), SC5670B (75524), SC5540B (73554), 73525, 71014, 70520
70973	Kit, Wide Shredder (SN C03277 and below)	SC3265, SC3305 (70080), SC3305E (70085), SC3240 (70380), SC3240T (70580), SC3270, SC3270T, SC3342 (75311), 70385, 70180
71381	Kit, Narrow Shredder Rectangular Knives (SN C03277 and below)	SC3206 (70050)
75502-00	Kit, Shredder	SC2206
70316	Kit, Shredder, Small C/S	70530, 70515, 70525
77022-00	Kit, Shredder Flail	SC2170
77025-00	Kit, Shredder Flail	SC5720B
77320-00	Kit, Narrow Body Shredder Flails (SN C03478 to current)	SC3206
77321-00	Kit, Wide Body Shredder Flails (SN C03478 to current)	SC3265, SC3305, SC3305E, SC3342

Depending on the global region in which the machine is sold, suffixes for all the models listed could include: XE, XF, XS, XN or S.

BLADE KITS

KITS CONTAIN ALL NECESSARY BLADES AND HARDWARE *1 of 2*

MODELS	SN RANGE	VIN RANGE	KIT P/N	DESCRIPTION	BLADE P/N
4cm & 8cm CHIPPER/SHREDDERS					
70515, 70525, 70530	0 - Current		70317	Small Chipper Blade Kit	70293
SC2170, SC2206, SC3206 (70050), SC3265, SC3305 (70080), SC3305E (70085), SC3270 (70380), SC3270T (70580), SC3342 (75311), SC3240, 70385, 70030, 72085, 72285, 70180	0 - 25658*	———	70205	Single Edge Small Blade Kit	70155
	25659 - Current	5VJAA00137W000009 - Current	70738	Tool Steel Blade Kit	70739
10cm & 13cm CHIPPERS					
CH4400		0 - Current	76295-00	Chipper Blade Kit	76112-00
CH5653, CH5540, CH4540 (73454), CH5540H (74554), CH500H (74500), 73412	0 - Current	———	72493	Chipper Blade Kit	70739
CH4614 (73420)	0 - 705078	5VJAA00197W000009 - Current			
11cm CHIPPERS					
CH45342 (77412), CH45540 (77454), CH450H, CH45390 (77413)	0 - 902474	0 - 5VJAA00109W001849	74744-00	77412/13 Blade Kit	71122
	902475 - Current	5VJAA00109W001850 - Current	76295-00	4-1/2 Chipper Blade Kit	76112-00
13cm CHIPPER/SHREDDERS					
SC5540 (70554), SC5614 (71020), SC5540B (73554), SC5670B (75524), SC5720B, 70500, 70520, 71014, 74520, 73525	0 - 26376*	———	70453	Single Edge Blade Kit	70155
	26377 - Current	5VJAA00137W000071 - Current	72493	Chipper Blade Kit	70739
15cm CHIPPERS					
CH6730H, CH6670H (76624), CH611DH (76628), CH6993H (76635), 74624, 74628	0 - 704809	0 - 5VJAA00159W001743	74220-00	6 Inch Blade Kit	71122
	———	5VJAA00159W001744 - Current	76293-00	Chipper Blade Kit	76112-00
CH6614 (71620), CH6614H (72620)	0 - 705118	5VJAA00157W000010 - Current	71426	8 Inch Chipper Blade Kit	71122

BLADE KITS

KITS CONTAIN ALL NECESSARY BLADES AND HARDWARE *2 of 2*

MODELS	SN RANGE	VIN RANGE	KIT P/N	DESCRIPTION	BLADE P/N
20cm CHIPPERS					
CH8720iH, CH8993H (76835), CH8670H (76824)	0 - 704960	0 - 5VJAA00119W001755	71426	8 Inch Chippe Blade Kit	71122
	———	5VJAA00119W001756 - Current	76293-00	Chipper Blade Kit	76112-00
74824, CH800H (74800)	904473 - Current	———			
	0 - 804669	———	71426	8 Inch Chipper Blade Kit	71122
20cm & 23cm PTO CHIPPERS					
CH8540 (71854), CH9540H (72854)	0 - 901387	———	71426	8 Inch Chipper Blade Kit	71122
	901388 - Current	———	76293-00	Chipper Blade Kit	76112-00
CHF9540H (76854)	502304 - Current	———	74830-00	Blade Kit	70739
23cm CHIPPERS					
CH911DH (72928), CH922DH (74950)	0 - 704696	0 - 5VJAA00109W001785	71426	8 Inch Chipper Blade Kit	71122
	———	5VJAA00109W001786 - Current	76293-00	Chipper Blade Kit	76112-00
30cm CHIPPERS					
CH123DH (7812086)	500423 - Current	5VJAA00137W000023 - Current	73900-00	12" Blade Kit	74320-00
STUMPGRINDERS					
SG340 (73711), 71755, 71785, 73710	0 - 805549	———	71445	4 Blade Stump Cutter Kit	16687 & 16688
SG340	810639 - Current	———	76292-00	12 Blade Cutter Replacement Kit	16687 (4) & 16688 (8)
73711 with 12-blade retrograde fit kit, PN 76256-00	0 - Current	———			
SG340	0 - Current		76903-00	12 Blade Cutter Retro Fit Kit (To change from 4 blade to 12 blade system)	16687 (4) & 16688 (8)
	0 - Current		76906-00	12 Blade Cutter Upgrade Kit (To change from 6 bolt to 12 bolt system)	

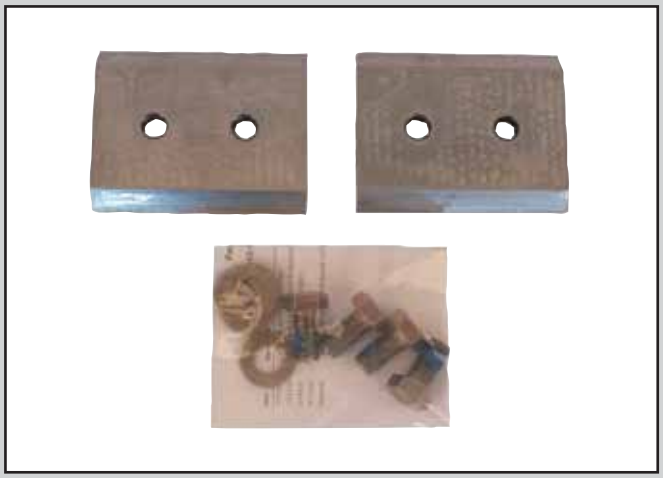
Depending on the global region in which the machine is sold, suffixes for all the models listed could include: XE, XF, XS, XN or S.

Blade and Flail Kits

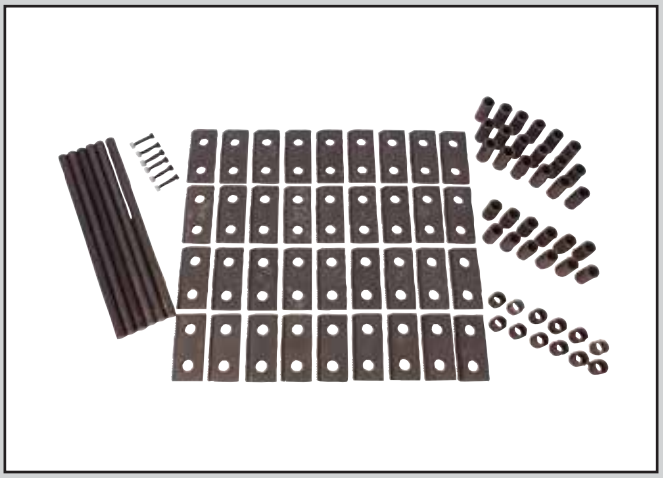
Blade Kit , P/N: 70738. Models: SC2170, SC3260XE, SC3265XE, SC3305XE & SC3342XE.

Blade Kit, P/N: 76293-00. Models: CH611DHXE, CH6730HXE, CH8720iHXE, CH8993HXE, CH911DHXE, CH922DHXE & CH9540HXE.

Blade Kit , P/N: 72493: Models: SC5720BXE, SC5540BXE, CH5653XE, CH5540HXE & CH5540XE.



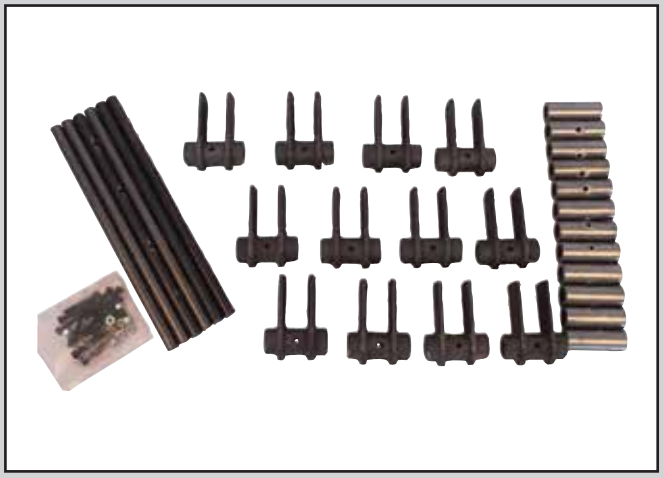
Blade Kit , P/N: 76295-00. Models: CH4400XE, CH45540XE & CH450HXE.



Shredder Knife Kit, P/N: 70972. Model SC5540BXE.

Shredder Hammer Flail Kit, P/N: 77022-00. Model SC2170.

Blade and Flail Kits



Hammer Flail Kit, P/N: 77332-00. Model: SC5720BXE.

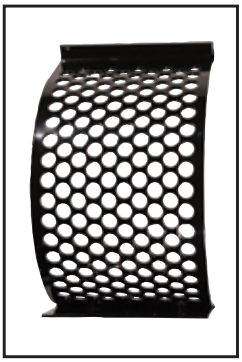
Shredder Hammer Flail Kit, P/N: 77320-00. Model SC3206XE.

Shredder Knife Kit, P/N: 77321-00. Models: SC3265XE, SC3305XE & SC3342XE.

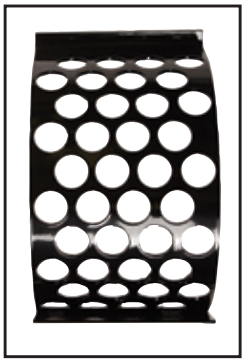
Screens

See model page for specific corresponding part numbers.

Fine Screen



Medium Screen



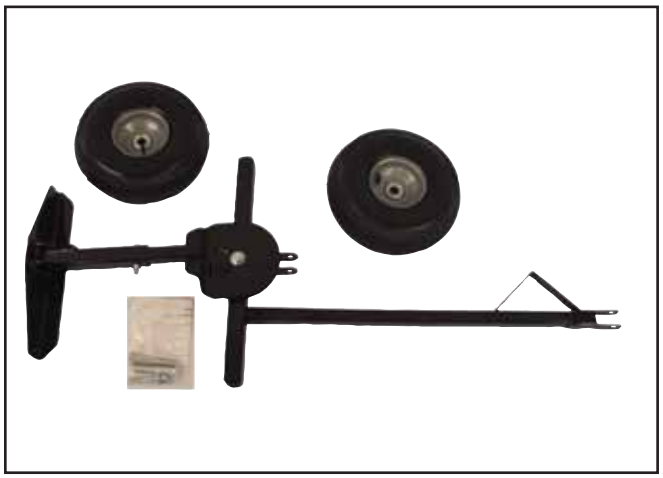
Coarse Screen

Wet Debris Screen

Debris Bag, P/N: 17854. Models: Any models that discharge to the ground.

ACCESSORIES

Blower Kit with 2-Blade Radial Fan, P/N: 70251. Models: SC3306XE, SC3265XE, SC3305XE, SC3342XE.



Two Wheel Tow Kit, P/N: 77000-00. Models: SC3206XE, SC3265XE, SC3305XE, SC3342XE.

All Weather Cover , P/N: 70093. Models: SC3206XE, SC3265XE, SC3305XE, SC3342XE.

Leaf Tamper, P/N: 70089. Models: SC32306XE, SC3265XE, SC3305XE, SC3342XE.

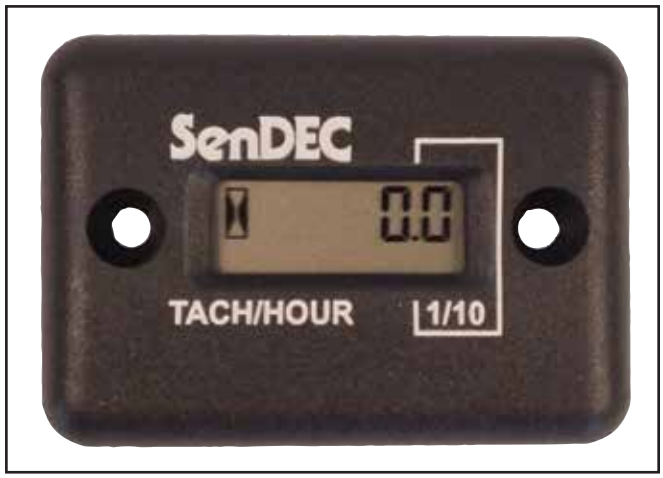
Leaf Tamper, P/N: 70649. Models: SC5720BXE, SC5540BXE.

Optional 10cm x 10cm Discharge Chute, P/N: 74634-00. Models: CH4400XE, CH45540XE.

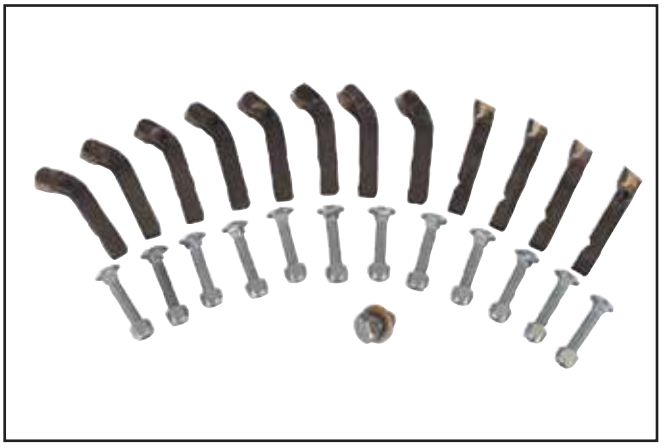
Low Profile Discharge, P/N: 74581-00. Models: CH8540XE, CH8720iHXE, CH8993HXE, CH911DHXE, CH922DHXE, CH9540HXE, CHF9540HXE.

Hour Meter Kit - Diesel P/N: 71921. Models: CH611DHXE, CH911DHXE & CH922DHXE.

Adjustable Feed Speed Kit, P/N: 76820-00. Models: CH611DHXE, CH6730HXE.

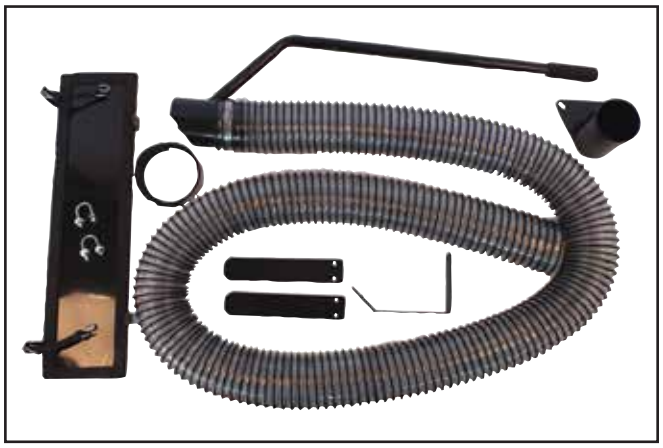


Hour/Tach Kit - Gas, P/N: 31605-00. Models: SC3206XE, SC3265XE, SC3305XE, SC3342XE, CH4400XE, CH5653XE, CH611DHXE, CH6730HXE, CH8720iHXE, CH8993HXE.

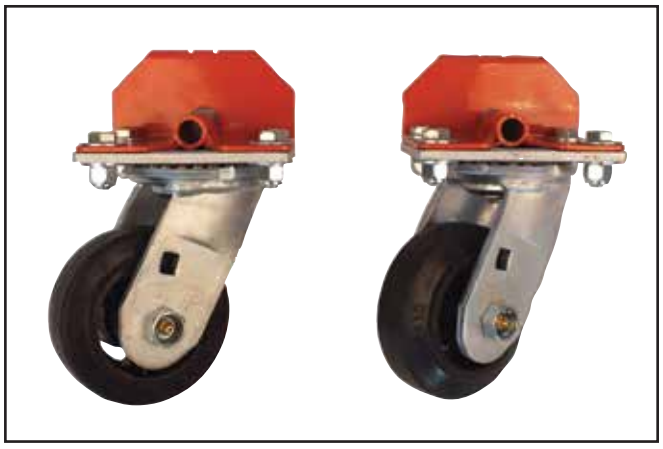


12 Tooth Cutter Replacement Kit, P/N: 76292-00. Model SC340.

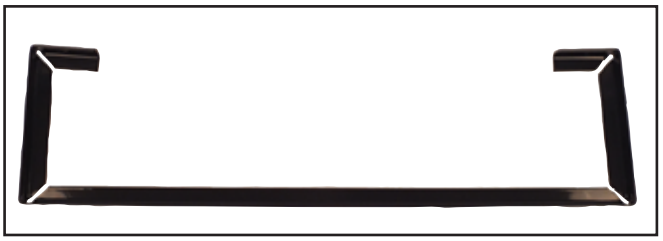
ACCESSORIES



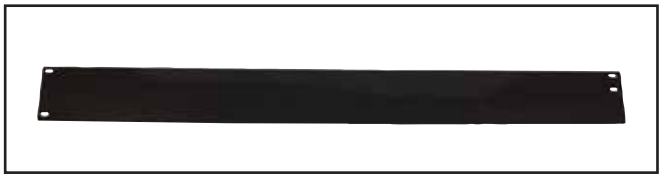
Vacuum Hose Kit, P/N: 73606-00. Models: WV190, WV190S.



Caster Wheel Kit, P/N: 76967-00. Models: WV190, WV190S.



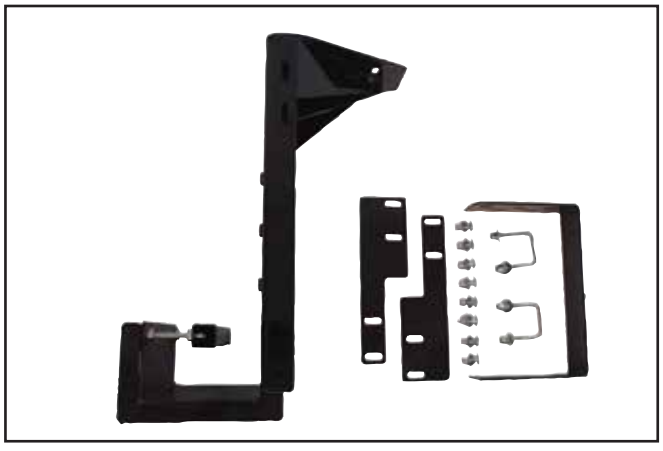
Nozzle Wear Plate, P/N: 73640-00. Models: WV190, WV190S.



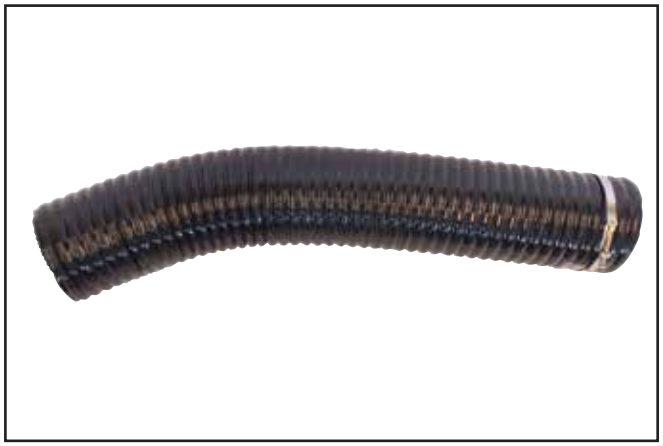
Vacuum Liner, P/N: 76466-00. Models: WV190, WV190S.

Debris Bag, P/N: 31339-00. Models: WV190, WV190S.

Swing Away Hitch Mount Kit, P/N: 75739-00. Models: DL8390, DL10570.



Tailgate Adapter Kit, P/N: 75753-00. Models: DL8390, DL10570.



1.2m Flexible Chute Extension, P/N: 74737-00.
Models: DL12653 & DL12720.

Debris Loader Light Kit, P/N: 77105-00.
Models: DL12653 & DL12720.

Wear Liner Replacement Kit, P/N: 75768-00.
Models: DL8390 & DL10570.

40cm Vertical Chute Extension, P/N: 75888-00.
Models DL12653 & DL12720.

Wear Liner Replacement Kit, P/N: 77073-00.
Models: DL12653 & DL12720.

Fine Chip Rotor Kit
CH911DHXE & CH922DHXE – P/N: 76775-00

Auto Feed Kit
CH5540HXE – P/N: 73071

Blade Kit
CHF9540HXE – P/N: 74830-00

NOTES

NOTES

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